



Luna[®] SENSATION

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GROUP 7 | 11 FUNGICIDES

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A spray fungicide for control of foliar diseases and fruit rots in protected crops of strawberry and moderate control of *Botrytis cinerea* (grey mould) in glasshouse crops of pepper and chilli.

MAPP 15793

A suspension concentrate formulation containing 250 g/L (25 % w/v) fluopyram and 250 g/L (25 % w/v) trifloxystrobin

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

Bayer CropScience Limited
230 Cambridge Science Park
Milton Road, Cambridge
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Telephone: 01223 226500

For 24 hour emergency information contact Bayer CropScience Limited
Telephone: 00800 1020 3333

Safety Information

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UFI: GCC0-Y0VF-200A-4XYW

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Warning

Harmful if swallowed. Very toxic to aquatic life with long lasting effects.
Wear protective gloves/protective clothing/ eye protection/face protection. IF exposed or concerned: Call a POISON CENTER or doctor/physician. Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste. To avoid risks to human health and the environment, comply with the instructions for use. Contains trifloxystrobin. May produce an allergic reaction.

SAFETY PRECAUTIONS

Operator Protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when applying by hand-held equipment.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

DO NOT EAT, DRINK OR SMOKE.

WASH ANY CONTAMINATION from eyes immediately. IF YOU FEEL UNWELL, seek medical advice (show label where possible).

WASH HANDS AND EXPOSED SKIN before meals and after work.

Environmental Protection

DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container.

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 14 metres of the top of the bank of a static or flowing water body, or within 1 m of the top of a ditch which is dry at the time of application. Aim spray away from water. THIS CROP IS NOT ELIGIBLE FOR BUFFER ZONE REDUCTION UNDER THE LERAP HORIZONTAL BOOM SPRAYERS SCHEME.

This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme. The statutory buffer zone must be maintained and the distance recorded in the LERAP record form. The LERAP record form must be kept available for three years.

Storage and Disposal

KEEP OUT OF REACH OF CHILDREN.

KEEP IN ORIGINAL CONTAINER tightly closed in a safe place.

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

DO NOT RE-USE CONTAINER for any purpose. KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.



lunasensationsds

To access the **Safety Data Sheet** for this product scan the code or use the link below:

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IMPORTANT INFORMATION FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crops	Maximum individual dose	Maximum number of applications per season	Latest time of application
Strawberry (Protected)	0.8 L/ha	2	1 day before harvest
Pepper and Chilli (grown in synthetic rooting media) (permanent protection with full enclosure).	0.6 L/ha	2	3 day before harvest

The following Non-Reducible Aquatic Buffer Zones must be observed:

Crops/situations:	Aquatic buffer zone distance (metres):
Protected Strawberry	14

Other specific restrictions:

For indoor use on peppers and chilli the maximum spray concentration must not exceed 0.023 kg as/hL.

For use on peppers and chilli treatment must only be made under 'permanent protection' situations which provide full enclosure (including continuous top and side barriers down to below ground level) and which are present and maintained over a number of years. Reasonable precautions must be taken to prevent access of birds, wild mammals and honey bees to treated crops. To minimise airborne environmental exposure, vents, doors and other openings must be closed during and after application until the applied product has fully settled.

Cardoons, celeries, Florence fennels and crops belonging to the category 'other stem vegetables' cannot be allowed as succeeding crops.

The use of this product in recirculating water systems in a glasshouse may result in dilute pesticide waste that requires disposal. All dilute pesticide waste must be disposed of safely and legally to protect humans, wildlife and the environment, especially groundwater and surface water. Pesticide disposal advice is detailed in the 'Code of Practice for Using Plant Protection Products' (Section 5: Disposing of Pesticide Waste).

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

RESTRICTIONS OR WARNINGS

Safety to beneficial organisms used in IPM has not been tested and cannot be assumed.

DISEASES CONTROLLED

Protected strawberries.	Powdery mildew (<i>Podosphaera aphanis</i>) – control. Grey mould (<i>Botrytis cinerea</i>) – moderate control. <u>Qualified minor use:</u> Based on limited data the control of <i>Gnomonia</i> fruit rot, leaf blotch and petiole blight (<i>Gnomonia comari</i> = <i>Zythia fragariae</i> [anamorph], <i>Gnomonia fructicola</i> (Arnaud) Fall), plus reductions in post-harvest soft rots caused by <i>Rhizopus stolonifera</i> and/or <i>Mucor piriformis</i> , and blue mould caused by <i>Penicillium expansum</i> would also be expected from applications of Luna Sensation applied in accordance with the crop specific information section.
Glasshouse, peppers and chilli, (grown in synthetic rooting media) (permanent protection with full enclosure).	Grey mould (<i>Botrytis cinerea</i>) – moderate control

The possible development of disease strains resistant to Luna Sensation cannot be excluded or predicted. Where such resistant strains occur, Luna Sensation is unlikely to give satisfactory control.

CROP SPECIFIC INFORMATION**Application rate and timing:****Protected Strawberry:**

Fruit rots: spray as part of a protectant programme from first open flower (BBCH 60) until the main harvest (BBCH 87), respecting a Pre-Harvest Interval of 1 day.

Soft fruit leaf disease: Apply as part of a protectant programme, no later than at first sign of disease.

Apply Luna Sensation as part of a protectant spray programme at 0.8 L/ha in 300–750 L water/ha. Apply as a medium spray quality in sufficient water and in combination with appropriate spray technology to ensure thorough penetration and coverage of the crop. Luna Sensation may be applied at any stage from first flower open (BBCH 60) until the main harvest (BBCH 87), respecting a Pre-Harvest Interval of 1 day. Two applications are permitted per cropping year.

Glasshouse pepper and chilli (grown in synthetic rooting media) (permanent protection with full enclosure):

Spray as part of a protectant programme from first inflorescence visible /first flower bud visible (BBCH 51) until the fruit fully ripe (BBCH 89), respecting a Pre-Harvest Interval of 3 days.

Apply Luna Sensation as part of a protectant spray programme at 0.6 L/ha in water volume of 500–750 L/ha (a maximum spray concentration of 0.023 a.s/hL must not be exceeded).

Apply as a medium spray quality in sufficient water and in combination with appropriate spray technology to ensure thorough penetration and coverage of the crop. Two applications are permitted per cropping year.

MIXING

Add the required quantity of Luna Sensation to the half-filled spray tank with the agitation system in operation and then fill to the required level. Continue agitation at all times during spraying and stoppages until the tank is completely empty. Spray immediately after mixing.

Sprayers should be THOROUGHLY CLEANED before use and filters and jets checked for damage and blockages.

RESISTANCE MANAGEMENT STRATEGY

Luna Sensation contains fluopyram, a member of the Succinate DeHydrogenase (SDH inhibitors) cross-resistance group 7 and trifloxystrobin, a member of the QoI cross-resistance group 11. Use Luna Sensation as part of an Integrated Crop Management (ICM) strategy incorporating other methods of control, including where appropriate other fungicides with a different mode of action. Do not spray more than 2 applications of Luna Sensation in any one season.

If more than two applications of any products containing either a QoI or an SDHI are to be used during a season then the following FRAC recommendations must be followed:

Spray guideline table:

Total number of spray applications per crop	1	2	3	4	5	6	7	8	9	10	11	12
Maximum recommended solo QoI fungicide sprays	1	1**	2**	2	2	2	2	3	3	3	3	4
Max. recommended QoI fungicide sprays in mixture	1	2	2	2	2	3	3	4	4	5	5	6

** Mixtures are preferred.

If applied as solo products, consecutive applications of SDHI fungicide must not be made

Further information on the recommended number of applications of QoI's and SDHI's for programmes of 12 or more fungicide applications per crop see the latest FRAC recommendations (www.frac.info).

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